

Owensby vs. City of Cincinnati, et al.  
December 17, 2003

DANIEL L. SCHULTZ, M.D.

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## UNITED STATES DISTRICT COURT

## SOUTHERN DISTRICT OF OHIO

## WESTERN DIVISION

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ESTATE OF ROGER D. :  
OWENSBY JR., et al., :  
:  
Plaintiffs, :  
vs. : Case No. 01-CV-769  
: (Judge S. A. Spiegel)  
CITY OF CINCINNATI, :  
et al., :  
:  
Defendants. :  
-----

## VOLUME I

Deposition of DANIEL L. SCHULTZ, M.D., a  
witness herein, called by the plaintiffs for  
cross-examination, pursuant to the Federal Rules of  
Civil Procedure, taken before me, Wendy Davies  
Welsh, a Registered Diplomate Reporter and Notary  
Public in and for the State of Ohio, at the Frank P.  
Cleveland, M.D. Institute of Forensic Medicine,  
Toxicology and Criminalistics, 3159 Eden Avenue,  
Cincinnati, Ohio, on Wednesday, December 17, 2003,  
at 11:57 a.m.

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1 APPEARANCES:	Page 2	1 S T I P U L A T I O N S	Page 4
2 On behalf of the Plaintiffs:		2 It is stipulated by and among counsel for the	
3 Paul B. Martins, Esq. Helmer, Martins & Morgan Co., LPA Suite 1900, Fourth & Walnut Centre 105 East Fourth Street Cincinnati, Ohio 45202 Phone: (513) 421-2400		3 respective parties that the deposition of DANIEL L.	
4 John J. Helbling, Esq. The Helbling Law Firm, L.L.C. 3672 Springdale Road Cincinnati, Ohio 45251 Phone: (513) 923-9740		4 SCHULTZ, M.D., a witness herein, called by the	
5 On behalf of the Defendants City of Golf Manor, Stephen Tilley, Roby Heiland and Chris Campbell:		5 plaintiffs for cross-examination, pursuant to the	
6 Wilson G. Weisenfelder, Jr., Esq. Rendigs, Fry, Kieley & Dennis 900 Fourth & Vine Tower One West Fourth Street Cincinnati, Ohio 45202-3688 Phone: (513) 381-9200		6 Federal Rules of Civil Procedure, may be taken at	
7 On behalf of Defendants City of Cincinnati, Darren Sellers, Jason Hodge:		7 this time by the notary; that said deposition may be	
8 Geri Hernandez Geiler, Esq. Assistant City Solicitor Department of Law Room 214, City Hall 801 Plum Street Cincinnati, Ohio 45202 Phone: (513) 352-3346		8 reduced to writing in stenotype by the notary, whose	
9 Neil F. Freund, Esq. Freund, Freeze & Arnold One Dayton Centre 1 South Main Street, Suite 1800 Dayton, Ohio 45402 Phone: (937) 222-2424		9 notes may then be transcribed out of the presence of	
10		10 the witness; and that proof of the official	
11		11 character and qualifications of the notary is	
12		12 expressly waived.	
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24		24	
1 APPEARANCES (Continued):	Page 3	1 I N D E X	Page 5
2 On behalf of the Defendants Robert B. Jord, Patrick Caton, Jason Hodge, Victor Spellen and Darren Sellers:		2 Examination by: Page	
3 Donald E. Hardin, Esq. Burdin, Lefton, Lazarus & Marks, LLC 915 Cincinnati Club Building 30 Garfield Place Cincinnati, Ohio 45202 Phone: (513) 721-7300		3 Mr. Martins . . . . . 6	
4		4 Mr. Freund . . . . . 74, 121	
5		5 Mr. Weisenfelder . . . . . 105	
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<p style="text-align: right;">Page 30</p> <p>1 A. I made an inverted T-shaped incision 2 extending from the back of the head down below the 3 shoulder blades to look for any hemorrhage or 4 injury. And when I did that, in the, basically, the 5 rhomboid muscles which are between the scapul-- 6 overlie the scapulae, there were hemorrhages. 7 Now, there weren't any bruises or 8 abrasions noted on the skin of the back, and there 9 wasn't any significant appreciable hemorrhage in the 10 fatty tissues of the back, but it was localized 11 fairly symmetrically within those deep muscular 12 tissues over the scapulae. 13 So my interpretation of that is a deep 14 injury to the muscles, causing tearing of blood 15 vessels in those muscle groups resulting in the 16 hemorrhage. Because I don't have any pattern 17 injuries, marks, abrasions, contusions on the skin 18 overlying these deep muscular injuries, my 19 interpretation is that they're more likely due to a 20 localized pressure and like a grinding or localized 21 pressure placed on those muscle groups rather than 22 an impact, a direct impact. 23 Q. If it was a direct impact, say by a 24 nightstick or a punch, would you expect to find</p>	<p style="text-align: right;">Page 32</p> <p>1 Q. If we look at 267, am I correct in 2 understanding that the blackened or darkened 3 portions in the area of the shoulder blades on 4 either side are the contusions? 5 A. Yes. 6 Q. You measured these and they were between 7 three and four inches in diameter? 8 A. Yes. 9 Q. Your findings, and in this respect do you 10 make those findings within a reasonable degree of 11 medical certainty in the field of pathology? 12 A. Yes. 13 Q. Let's move on. You then, in your report 14 on page 3, you talk about the lungs being "extremely 15 congested and edematous." Do you see that? It's 16 after the first paragraph. It's one line on page 3. 17 A. Are we in the respiratory system? 18 Q. No. Up above where it says -- 19 A. Body cavities? 20 Q. You have a heading of Upper and Lower 21 Extremities, and then right above that. 22 A. Oh. Yes. 23 Q. Would you explain that for us? 24 A. The reason it's listed in that area,</p>
<p style="text-align: right;">Page 31</p> <p>1 contusions in the skin or the subcutaneous level of 2 the skin above those deep muscle bruises? 3 A. I would expect to see any one of these 4 combinations: Either some abrasion to the skin, 5 some bruising to the outside of the skin, some 6 bruising, hemorrhage in the subcutaneous fat. 7 Because in light of the magnitude of the 8 hemorrhage in those muscle groups, it's not a 9 trivial injury there, and it's remarkable to me that 10 I don't see anything overlying it. So that is why I 11 favor that those injuries to the muscle groups are 12 not due to a blow or blows. 13 Q. Did you document this finding in the 14 photographs that you took? 15 A. Yes. 16 Q. Would you point those out for us? You can 17 just refer to the last three digits. 18 A. Yeah. 265 through 270 all document 19 various portions of the neck dissection and back 20 dissection. The hemorrhages in the muscle groups 21 are shown in 265, 266, 267, 268, and 269. 270 shows 22 an extension of that incision to look for further 23 hemorrhage in the lower aspect of the back, which I 24 did not appreciate.</p>	<p style="text-align: right;">Page 33</p> <p>1 although heavy lungs, congested lungs, are 2 technically a nonspecific finding, meaning you can 3 see it with other things, he doesn't have any other 4 things to explain it. Meaning, he doesn't have -- 5 he didn't die from heart disease, he didn't die from 6 pneumonia, he didn't die from drug intoxication, 7 which all can cause heavy edematous lungs. 8 But the only thing he has in the 9 constellation of the findings are pecteniae, 10 evidence of compression of his back, evidence of an 11 asphyxial death. The lungs in asphyxia typically 12 become congested and edematous. And so that is why 13 that is listed in that area, because it's 14 technically -- it's an associated finding. That's 15 why it's listed there. 16 Q. Where are the lungs in relation to the 17 deep muscle hemorrhages that you found? 18 A. Well, they're in the chest cavities. 19 They're not directly -- it's not because they're 20 contiguous with that area. 21 It's just when a person dies from an 22 asphyxial death, meaning they're not getting 23 adequate oxygen supplied to their brain and their 24 organs, the heart works faster, blood is pumped to</p>

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<p style="text-align: right;">Page 34</p> <p>1 the lungs, there's an attempt by the body to have, 2 in response to this, increased oxygen exchange and 3 more flow to the lungs. Subsequently, that flow 4 leads to swelling and edema, which is water on the 5 lung, essentially. They're heavy.</p> <p>6 Q. We then have your examination of the body 7 cavity on the internal examination. Is there 8 anything remarkable in that paragraph there about 9 the body cavity concerning these findings?</p> <p>10 A. Well, there were a few rare petechiae, and 11 those are nonspecific, on the heart, the surface of 12 the heart. You can see those in a lot of things. 13 So those are specifically listed in that area 14 because I consider them not -- nonspecific.</p> <p>15 He was congested. That's, again, 16 nonspecific. But in light of what the big picture 17 is, it's consistent with what he died from, which is 18 an asphyxial event.</p> <p>19 Q. You then examined the cardiovascular 20 system. The heart weighed 395 grams. Is that what 21 you would expect for a normal heart of a person this 22 age?</p> <p>23 A. Yes.</p> <p>24 Q. Why is it that in conducting an autopsy</p>	<p style="text-align: right;">Page 36</p> <p>1 Q. In the paragraph on the cardiovascular 2 system examination you talk about the descending 3 coronary artery having a 50 percent obstructive 4 plaque situated in the mid portion. Do you see 5 that?</p> <p>6 A. Yes.</p> <p>7 Q. In your opinion, to a reasonable degree of 8 medical certainty in the field of forensic 9 pathology, did that play any part in causing the 10 death of Mr. Owensby?</p> <p>11 A. No.</p> <p>12 Q. Why not?</p> <p>13 A. Because the 50 percent obstructive -- 14 first of all, I have never had anyone die from a 15 lesion of 50 percent, okay.</p> <p>16 Second of all, most forensic pathologists, 17 certainly that I have worked with, trained with, 18 they like to see lesions above 75, roughly 70, 19 75 percent obstructed before they would even 20 consider that as a cause of death. And if you were 21 to have that kind of lesion, you would then take 22 that in context of the circumstances. But his 23 doesn't even come close to that level.</p> <p>24 I did put a section in microscopically,</p>
<p style="text-align: right;">Page 35</p> <p>1 the various organs are weighed?</p> <p>2 A. Well, the organs are weighed because we 3 look at reference values or we have certain 4 reference values that we have known to come to 5 accept as reasonable weights for various organs.</p> <p>6 Probably the most important organ to weigh 7 is the heart. The other organs -- and the lungs. 8 The other organs probably don't matter so much. But 9 it's just another element of documentation that we 10 use to describe a body.</p> <p>11 Q. If the organ is outside of the expected 12 weight, is that some sort of signal to investigate 13 further?</p> <p>14 A. Well, if, for example, I -- I had found, 15 for example, that there was an enlarged heart and/or 16 coronary artery disease of significant degree that 17 would explain his death and the circumstances then, 18 depending on how the circumstances pan out, then 19 opinions might change.</p> <p>20 So every organ is looked at individually 21 and in light of the total body exam, and then I make 22 an opinion overall as to the terms of the cause of 23 death. But no one organ stands alone, generally. 24 You interpret them in light of everything else.</p>	<p style="text-align: right;">Page 37</p> <p>1 which, you know, when we look at things 2 microscopically you take something you see with your 3 naked eye that, as you look at it, you say it's 50 4 percent. Subsequently, an histologist takes that, 5 cuts little pieces off to look at it on a slide and 6 it never gets worse than what you see with your 7 naked eye, but sometimes it gets better. Meaning 8 the lesion sometimes looks less obstructive. And 9 that's not surprising.</p> <p>10 So typically what I say when I look at 11 cases like that is I always know what my gross 12 impression is, which is my naked eye. I will either 13 say it's consistent with, or if it comes out and 14 there's nothing on there, I'll put another section 15 in or I'll figure out why.</p> <p>16 But in his case, his histology was 17 consistent with what I saw, namely, he did have an 18 atherosclerotic plaque, but it certainly wasn't more 19 than 50 percent obstructive.</p> <p>20 Q. Is there anything else about the 21 cardiovascular system, any findings one way or the 22 other that are worth, or contribute to your opinion 23 in this case?</p> <p>24 A. Grossly and microscopically on examination</p>

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1 of his heart, cardiovascular system, I did not find  
2 anything that would have caused or contributed to  
3 his death.

4 Q. Let's move on to the respiratory system,  
5 which we already talked about with the lungs being  
6 congested. You said that the lungs weighed  
7 860 grams and 765 grams respectively, the right and  
8 left lungs. Is that above what you would normally  
9 expect a lung to weigh?

10 A. Yes.

11 Q. What is the normal weight or range of  
12 weights?

13 A. There is no one normal weight, but I can  
14 tell you that generally, normal lungs that aren't  
15 congested weigh roughly around two to 400 grams,  
16 roughly.

17 I don't really pay attention to charts  
18 where I say, "Oh, I" -- this is clearly well above.  
19 This is just very heavy. From my standpoint and  
20 experience it's very evident that they're heavy.

21 Q. You then talk about a maroon-purple  
22 congested appearance. If the lungs were not  
23 congested, a normal healthy lung, what would you  
24 expect the color to be of the lungs?

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1 A. If it's a person who is not a smoker I  
2 would expect them to look pink-tan in color. If  
3 they're a smoker I would expect them to look  
4 pink-tan with some black and green soot in the  
5 lungs.

6 I didn't appreciate soot in his lungs, but  
7 they were very purple and congested, and it's  
8 entirely possible there had been evidence of that as  
9 well, but I couldn't see it.

10 Q. Do you know what causes the maroon-purple  
11 color in the lungs?

12 A. Blood.

13 Q. So it's blood leaching or --

14 A. Well, it's not -- certainly there can  
15 be -- let me refer to my micro so I speak -- okay.

16 The purple color, maroon coloration, is  
17 due to a combination of things. It's due to the  
18 vessels that supply what are called the septae of  
19 the lungs. Because there are air sacs. And those  
20 air sacs are surrounded by septae, which is where  
21 the vessels come in to supply the blood. Those  
22 vessels become intensely congested and they're  
23 distended and dilated with red blood cells.

24 Now, in a person who doesn't have a

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1 congested pulmonary vascular circuit their lungs  
2 look tan-pink because their vessels aren't  
3 distended. When they become distended with blood  
4 cells the whole lung or whatever area's involved  
5 will have a maroon-purple color.

6 In addition, there's some additional  
7 coloration changes, because there's some hemorrhage  
8 in the alveolar air spaces. And that's due to the  
9 increased pressure, and it actually leaks from those  
10 capillaries into the air sacs of the lungs.

11 Q. So in a case such as this with asphyxia,  
12 the heart is pumping more blood into the lungs to  
13 try and get more oxygen for the body?

14 A. Yeah, it's trying to get -- the body as a  
15 response to the hypoxia, or the lack of oxygen, is  
16 to try to pump more blood through the heart and pick  
17 up more oxygen and transport it to the rest of the  
18 body.

19 Q. If the lungs can't expand to provide that  
20 oxygen then the blood keeps coming into the lungs,  
21 and is that where you have the edema and the --  
22 resulting in the maroon-purple color?

23 MR. FREUND: Object.

24 A. Yes.

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1 MR. FREUND: I guess, I never did ask you.  
2 Is this supposed to be for purposes of trial?  
3 If it is, you're leading the witness.

4 MR. MARTINS: Okay. I'll rephrase it.

5 BY MR. MARTINS:

6 Q. Could you explain to us the process, the  
7 physiological process, that's going on that results  
8 in the maroon-purple color?

9 A. Well, as I said earlier, in response to  
10 the low oxygen, the hypoxia, the cardiovascular  
11 system shunts blood to the lungs. Blood is pumped  
12 through the lungs in an attempt to pick up more  
13 oxygen. The lungs become congested. They may also  
14 leak some red cells and/or fluid, edema fluid, into  
15 the lungs, and that is the reason for this  
16 occurrence.

17 Q. Is there anything else in the respiratory  
18 system examination that is worth noting in respect  
19 to your ultimate findings here?

20 A. Pertinent negatives are that I did not see  
21 any emboli, which are, like thrombocytoblasts, which are  
22 blood clots that may come from the legs, which are  
23 referred to as pulmonary emboli. I did not see any  
24 of that. It's another possible natural cause of

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1 you describe to us what number 271 is.

2 A. On 271, this is an image of the tongue.

3 Now, the tongue has been cut in what's called a  
4 coronal plane, meaning if I were to run a plane  
5 through my body it would be running from -- let's  
6 see, parallel to my chest plate, you know. That's a  
7 coronal plane. It would run like this, as I'm  
8 showing with my hands, I'm sorry.

9 But through the tongue it would be in the  
10 same plane, going -- slicing downward through the  
11 tongue. When I do that I look at the tongue and I  
12 see hemorrhage in the left side of the tongue, which  
13 I document with the photograph.

14 Q. You have, the next thing on your report is  
15 the head and central nervous system. Is there  
16 anything remarkable about your examination about the  
17 head and the central nervous system, CNS?

18 A. No.

19 Q. Move to the later brain examination after  
20 fixation. You indicate that there was a

21 Neuropathology Conference held on November 15, 2000.  
22 Would you explain what that is?

23 A. Well, because of the circumstances, and I  
24 wanted to exclude any possible other reason for his

1 negative brain exam.

2 Q. Then we have the microscopic examination  
3 that you set out in your report. Is there anything  
4 remarkable about the microscopic examination that  
5 contributed to your findings?

6 A. Well, I noted that there was -- I  
7 confirmed there was hemorrhage in the trapezius  
8 muscle, which was no new news -- it was no news, I  
9 just documented it. There was no inflammatory  
10 reaction, which is consistent with this happening  
11 within minutes of his death, okay. Seconds to  
12 minutes for that matter, but minutes at the most,  
13 not hours.

14 His heart was sectioned for microscopic  
15 examination, and they were unremarkable. The  
16 coronary artery that we referred to earlier was  
17 examined and, as I said, it confirmed my gross  
18 impression of a 50 percent obstructed eccentric  
19 atherosclerotic plaque. But otherwise, the heart is  
20 unremarkable.

21 The lung sections showed some occasional  
22 foci, or collections of aspirated loose mucoid  
23 material, and some bacterial flora, which is like we  
24 see in the mouth, consistent with some element of

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1 death, the brain was saved for examination with the  
2 benefit of a neuropathologist, Dr. Balko, namely.

3 Also pathologists from this office are at  
4 this meeting, and the individuals are listed. That  
5 would be the sum total of individuals present during  
6 the exam: Dr. Balko, Dr. Pfalzgraf, Dr. Utz, Dr.  
7 Tobias, who was our fellow at the time, and myself.  
8 It was unremarkable.

9 Q. In this conference I guess everybody  
10 examines some aspect of the tissue or weighs in on,  
11 exchanges ideas?

12 A. What happens is Dr. Balko -- we all look  
13 at the brain. I've already looked at it once before  
14 it was even put in the fixative, and I at first saw  
15 nothing, initially.

16 Then Dr. Balko takes that brain and then  
17 he takes -- slices through the brain in that  
18 coronal, C-O-R-O-N-A-L, plane, much like a CAT scan,  
19 the same kind of, similar orientation to a CAT scan,  
20 to look for any hemorrhages, tumors, injuries, which  
21 there were none.

22 And we watch, and we comment if we see  
23 something or we point something out. I don't recall  
24 any comments there, because it was essentially a

1 aspiration, little tiny bits. But no inflammatory  
2 reaction was present. Of course that takes minutes,  
3 many, many, many minutes to hours to see  
4 inflammatory reaction. So this is a terminal type  
5 of event.

6 No -- I had already known from the gross  
7 exam that there were no airways that were, quote,  
8 "chock-full" of food. It's very thin in the  
9 airways. I noted some patchy areas of intraalveolar  
10 hemorrhage as well as congestion, as I had already  
11 known.

12 I polarized the lungs as well with a  
13 polarizing filter in order to determine if he had  
14 any evidence of crystals in the lungs. Now, at the  
15 time -- I do this very frequently on cases if I have  
16 any inkling that the person may have been doing, or  
17 using, drugs, specifically intravenous drugs or  
18 cocaine.

19 I look at the lungs, I rotate these  
20 filters. And if I see crystals in the lungs, then I  
21 know, I can say, for example, that they're an IV  
22 drug abuser or that they had inhaled or insufflated  
23 various drugs. He didn't have any evidence of that  
24 in his lungs.

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<p>1        The tongue section was taken and it 2 confirmed my gross impression. There was hemorrhage 3 in the tongue, no inflammatory reaction. It was a 4 bite mark to the tongue, hemorrhagic bite mark to 5 the tongue.</p> <p>6        Q. On the last page are some laboratory 7 results. Again, I guess, confirming what you've 8 already said, that there was no cocaine or you have 9 metabolites. What are metabolites?</p> <p>10      A. Well, metabolites are what happens to a 11 drug or a chemical after the body has metabolized 12 it. So it's, after metabolism, it's what the drug 13 becomes.</p> <p>14      Q. Cannabinoids, that would be the marijuana?</p> <p>15      A. Yes.</p> <p>16      Q. As I understand it, the finding on the 17 marijuana was 16 thousandths of a milligram per 18 liter?</p> <p>19      A. Correct.</p> <p>20      Q. Am I reading that correctly?</p> <p>21      A. Yes.</p> <p>22      Q. As a result of this, did you reach an 23 opinion as to the cause of death of Mr. Owensby?</p> <p>24      A. Yes.</p>	<p>1 descriptive.</p> <p>2        Q. On Exhibit 103, the first page, where your 3 opinion is listed, under mechanical asphyxia you 4 have listed three sub-headings. Did you mean those 5 to, I guess, explain how you arrived at your 6 mechanical asphyxia opinion?</p> <p>7        A. I list those there because I think those 8 are part and parcel to the criteria that I might use 9 to bolster my opinion that this is, in fact, a 10 mechanical asphyxia.</p> <p>11      Q. That would be the hemorrhages found in the 12 eyes?</p> <p>13      A. Right, the conjunctival petechiae with the 14 scleral hemorrhages, terminal emesis or terminal 15 vomiting. Very commonly seen when a person is 16 hypoxic, they may vomit. In fact, that's very 17 common. And the hemorrhagic bite mark, whether 18 that's from a seizure or whether that's from biting 19 his tongue during the process of the restraint, I 20 don't know. But I list it in that area as well, 21 because it's part of the terminal events, I feel.</p> <p>22      Q. Does the congestion of the lungs also 23 support the finding of mechanical asphyxia?</p> <p>24      A. Sure.</p>
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<p>1        Q. What was your opinion to a reasonable 2 degree of medical certainty in the field of forensic 3 pathology, as to the cause of death of Mr. Owensby?</p> <p>4        A. Cause of death, mechanical asphyxia.</p> <p>5        Q. Would you explain to us what mechanical 6 asphyxia is?</p> <p>7        A. Well, it is a form of asphyxia that is due 8 to physical compression of the chest. And 9 although -- I use it in a rather broad form. 10 Although I recognize that I could be seeing this 11 constellation of symptoms from, or findings from, 12 compression of the chest, I can also see it from 13 compression of the neck.</p> <p>14       Now, I use the broad term "mechanical 15 asphyxia." You will find that there is varying 16 definitions of this term. My definition is, it's 17 from a compression of the body in some locale, 18 whether it's chest or neck, resulting in asphyxia.</p> <p>19       I don't think either of those scenarios 20 are mutually exclusive. Both or one of those two 21 certainly could have taken place. But in any event, 22 it's still a mechanical pressure applied, resulting 23 in asphyxia.</p> <p>24       So, you know, I hope that my term is more</p>	<p>1        Q. How so?</p> <p>2        A. Because, as I said, with an asphyxial 3 death one expects the lungs would be rather 4 congested. It's -- well, in terms of what I decide 5 to actually list under that heading, I probably 6 could list more or less. It's the art of listing 7 these things on the diagnosis list. It certainly 8 could have been listed there as well.</p> <p>9        Q. Let me ask you, did you see anything that 10 was inconsistent with mechanical asphyxia?</p> <p>11      A. No.</p> <p>12      Q. You also list several other items under 13 diagnosis, which I believe we've already talked 14 about, the abrasions, the deep back muscular 15 contusions, the facial abrasions and knees and 16 forearm. And then the cause of death you list is 17 mechanical asphyxia. You also have a heading of 18 Manner of death. Would you explain to us the 19 difference between a cause of death and a manner of 20 death?</p> <p>21      A. Manner of death is how the cause came 22 about.</p> <p>23      Q. Here you wrote, "Homicide," and then in 24 parenthesis phrase, "(police intervention:</p>

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1 A. No.	1 A. Absolutely. But now -- because
2 Q. He had abrasions of his legs and he had	2 everything's been excluded completely.
3 abrasions of his arms; is that right?	3 Q. In your opinion?
4 A. Yes.	4 A. Absolutely. Absolutely.
5 Q. No fractures of any bones?	5 Q. Are you ever wrong?
6 A. Correct.	6 A. Am I ever wrong?
7 Q. As a forensic pathologist you give	7 Q. Yes.
8 opinions as to what you believe caused the death;	8 A. Yes.
9 that's basically your job, is that fair?	9 Q. Talk to me about Sudden Cardiac Death.
10 A. Yes.	10 A. Sudden Cardiac Death is when a person dies
11 Q. But it is not your job to, for example,	11 due to a sudden cardiac event.
12 come in and say that Mr. Owensby did or did not	12 Q. Especially in young people, there can be
13 resist arrest, true?	13 no known etiology or cause for that event; is that
14 A. I can't speak for that event. I can say	14 correct?
15 he has abrasions that are consistent with such.	15 A. Sometimes. Yes, it can happen that
16 Everything else is historical.	16 there's no known cause.
17 Q. Okay. Nor is it your job to come in and	17 Q. Sometimes the cause for a Sudden Cardiac
18 say whether or not the officers did or did not use	18 Death can be extreme physical exertion; is that
19 reasonable force; is that true?	19 correct?
20 A. True.	20 A. If there's an underlying natural disease
21 Q. From your autopsy were you able to	21 present.
22 determine the length of time that there was	22 Q. Am I also correct that there does not have
23 compression to the chest?	23 to be an underlying natural disease process in order
24 A. Minutes.	24 for someone to suffer from Sudden Cardiac Death?
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1 MR. WEISENFELDER: I'm sorry?	1 A. That's incorrect.
2 THE WITNESS: Minutes.	2 Q. In your opinion, in your opinion, there
3 Q. That's based upon your opinion. Do you	3 always has to be some underlying cause; is that
4 know how long there was compression to the chest, if	4 correct?
5 there was compression to the chest?	5 MR. MARTINS: Objection.
6 A. Minutes.	6 A. Yes. There is a cause. There has to be a
7 MR. MARTINS: Objection. Asked and	7 cause.
8 answered.	8 Q. Is there always a cause, a physical cause,
9 Q. When you say "minutes," could you explain	9 for cardiac arrhythmias?
10 to me how you know that.	10 A. Well, since you used the term "physical
11 A. I know that because he has no natural	11 cause," are you meaning due to a physical blow or
12 disease, no drug toxin causing his death. His death	12 are you referring to a chemical or are you referring
13 is a consequence of mechanical asphyxia. That takes	13 to -- what are you referring to?
14 minutes. The chest --	14 Q. I'm referring to an underlying etiology.
15 Q. So it's kind of reverse engineering?	15 A. There's always a cause.
16 A. Absolutely. It's by exclusion. Sometimes	16 Q. Can you do an autopsy on someone who
17 we work backwards.	17 suffers a Sudden Cardiac Death without any findings?
18 Q. Okay. Do --	18 A. It's very rare. And then I don't have
19 MR. MARTINS: Wait. I don't think the	19 other circumstances that would suggest otherwise.
20 witness is finished giving his answer.	20 Q. Have you ever done an autopsy on someone
21 Q. You can finish.	21 who's suffered from Sudden Cardiac Death?
22 A. So my point is, he died from mechanical	22 A. Yes.
23 asphyxia.	23 Q. Have you ever done an autopsy on someone
24 Q. That's your opinion?	24 who has suffered from Sudden Cardiac Death, without

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1 any specific findings, other than the fact that the  
 2 person is dead?

3 A. Not on an adult.

4 Q. Not on an adult?

5 A. Correct.

6 Q. How about young people and children?

7 A. We call that SIDS.

8 Q. I'm not talking about -- how about  
 9 teenagers engaged in sports?

10 A. No.

11 Q. How about --

12 A. I've done autopsies, but I've never had a  
 13 death that was Sudden Cardiac Death that I did not  
 14 explain by some reasonable means.

15 Q. How many of those have you done?

16 A. Well, I've done over two thousands cases.

17 Q. No. How many Sudden Cardiac Deaths have  
 18 you had where the person was not suffering from  
 19 heart disease?

20 A. Hundreds.

21 Q. If the person is not suffering from heart  
 22 disease and dies from a cardiac arrhythmia, what  
 23 have been the causes, in your experience?

24 A. If they die from an arrhythmia, it could

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1 Q. All of the external manifestations of his  
 2 injuries, the abrasions and the contusions and  
 3 things like that, that is all consistent with  
 4 resisting arrest, would you agree with that?

5 A. Yes.

6 Q. They surely didn't kill him? In other  
 7 words, he didn't die from those abrasions and the  
 8 things that we can see externally, would you agree  
 9 with that?

10 A. Well, let's back up. Your entire  
 11 statement was, "They didn't kill him. . ." these --  
 12 okay. Yes, they did. That's why he's dead.

13 Q. You said in your court testimony that you  
 14 can't say that he died from those abrasions or  
 15 impacts, they are just the results of a struggle?

16 A. Right.

17 Q. That's what you said in your prior  
 18 testimony?

19 A. Correct. That's the same thing. Those  
 20 are markers of the struggle.

21 Q. You agree with that?

22 A. Yes.

23 Q. You agree that he didn't die from hitting  
 24 his head on the ground or from the blows that he may

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1 be due to cocaine, it could be due to toxins, such  
 2 as cocaine. It could be due to -- another reason  
 3 for Sudden Cardiac Death is something like a blood  
 4 clot, like a pulmonary embolism.

5 That's not heart disease, per se, but that  
 6 causes sudden cardiac standstill and death. So  
 7 there are other, as I said, there are other things  
 8 that can cause it.

9 Q. What besides cocaine, and what was the  
 10 other one you said?

11 A. Well, cocaine and pulmonary embolism is a  
 12 possibility.

13 Q. What other possibilities are there?

14 A. Well, in an otherwise apparently healthy  
 15 person, it's pretty much heart causing sudden death  
 16 or brain.

17 Q. Have you ever written on the subject?

18 A. On Sudden Cardiac Death?

19 Q. Yes.

20 A. No.

21 Q. Do you know who Barry Maron is?

22 A. No.

23 Q. Did you ever hear of him?

24 A. No.

1 have received from the officers when they were  
 2 trying to restrain him?

3 A. Correct.

4 Q. You cannot say that Mr. Owensby died  
 5 because somebody put a chokehold on him; is that  
 6 correct?

7 A. Correct.

8 Q. You were asked a leading question by  
 9 counsel regarding the definition of homicide. All  
 10 that "homicide" means is a death caused by an  
 11 outside source; isn't that true?

12 A. No.

13 Q. All right.

14 A. Would you call it a homicide if you get  
 15 struck by lightning?

16 Q. I don't know. What would you call that?

17 A. I would call that an accident.

18 Q. Okay. Can a homicide result from somebody  
 19 resisting arrest?

20 A. Yes.

21 Q. Can that be an accident, if somebody dies  
 22 when he is resisting arrest and, unfortunately,  
 23 becomes deceased?

24 MR. MARTINS: Objection.

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